AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A microchip, comprising:

a first substrate; and

a second substrate connected with the first substrate to define a connecting surface therebetween, the first substrate and the second substrate defining a microchannel in the connecting surface by a first groove part of the first substrate and a second groove part of the second substrate, the first groove part having a first protruding part and the second groove part having a second protruding part,

wherein one of the first and second substrates includes a first inlet and a second inlet, the first inlet having received therein a first liquid containing microbeads, the second inlet having received therein a second liquid containing nucleic acid,

wherein the microchannel includes a gap part formed by the first protruding part and the second protruding part, the gap part having a sectional size variable by a movable protruding part in the first groove part or in the second groove part, the movable protruding part being the first protruding part or the second protruding part, wherein, when the microchip is in use, the gap part is configured to block microbeads of a size greater than the sectional size of the gap part,

wherein the microchannel has an inner wall surface ~~decorated~~ treated with triethylchlorosilane.

2. (Canceled).

3. (Previously Presented) The microchip according to claim 1, wherein the first protruding part is opposed to the second protruding part.

4. (Previously Presented) The microchip according to claim 1, wherein the gap part is formed by inserting the first protruding part in the second groove part or by inserting the second protruding part in the first groove part.

5-7. (Cancelled)

8. (Currently Amended) A kit for extracting nucleic acid, including:

the microchip according to claim 1, wherein~~; and~~

the microbeads ~~having~~ have surface hydroxyl groups introduced into the microchannel of the microchip have surface hydroxyl groups.

9. (Previously Presented) The kit for extracting nucleic acid according to claim 8, wherein the microbeads include at least one of silica microbeads having a diameter of 10 μm or smaller, hollow silica microbeads, and resin microbeads.

10. (Previously Presented) The kit for extracting nucleic acid according to claim 8, wherein the surface hydroxyl groups are coated with a coupling agent.

11. (Previously Presented) The kit for extracting nucleic acid according to claim 10, wherein the coupling agent includes a silane coupling agent including trialkyl halogenosilane as a main component.

12. (Currently Amended) A method for extracting nucleic acid using the kit according to claim 8, wherein the nucleic acid to be processed is adsorbed on surfaces of the microbeads ~~introduced~~ received in the microchannel of the microchip.

13. (Previously Presented) The method according to claim 12, wherein the nucleic acid is adsorbed on the surfaces of the microbeads under the existence of chaotropic ions.

14-15. (Cancelled)

16. (Previously Presented) The microchip of claim 1, wherein the first and second substrates comprise glass or quartz.

17. (Previously Presented) The microchip of claim 16, wherein the substrates consist essentially of glass or quartz.

18-20. (Cancelled)